

## CLAIMS

What is claimed is:

5           1.       A mounting system for a light projector assembly of a projection television,  
the mounting system comprising:

first spherical means; and

second spherical means;

10           wherein the first and second spherical means coact with one another to restrict  
movement of the light projector assembly to a portion of a spherical path.

15           2.       The mounting system according to claim 1, wherein the restricted movement  
of the light projector assembly enables geometry errors in the image generated thereby to be  
corrected to the desired geometry while maintaining the projector assembly's aim at a virtual  
center of the screen.

          3.       The mounting system according to claim 1, wherein the first spherical means  
comprises a spherical wall.

20           4.       The mounting system according to claim 3, wherein the spherical wall is part  
of a projection television cabinet of the projection television.

          5.       The mounting system according to claim 3, wherein the spherical wall  
includes a spherical surface.

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6. The mounting system according to claim 3, wherein the second spherical means comprises a spherical bracket.

7. The mounting system according to claim 6, wherein the spherical wall includes a first spherical surface and the spherical bracket includes a second spherical surface which slidably engages the first spherical surface of the wall.

8. The mounting system according to claim 6, further comprising adjusting means for finely adjusting the location of the spherical bracket relative to the spherical wall.

9. The mounting system according to claim 8, wherein the adjusting means include eccentrics that coact with apertures and cam slots respectively formed in the spherical wall and bracket.

10. The mounting system according to claim 1, wherein the second spherical means comprises a spherical bracket.

11. The mounting system according to claim 10, wherein the spherical bracket includes a spherical surface.

12. The mounting system according to claim 1, further comprising adjusting means for finely adjusting the position of the second spherical means relative to the first spherical means.

13. The mounting system according to claim 12, wherein the adjusting means include eccentrics that coact with apertures and cam slots respectively formed in the first and second spherical means.

5 14. A mounting system for three axis rotational adjustment of a light projector assembly of a projection television, the mounting system comprising:

a spherical wall; and

a spherical bracket for attaching a light projector to the mounting system, the spherical bracket slidably engaged with the spherical wall and moveable relative thereto;

10 wherein the spherical wall and bracket coact with one another to rotate the light projector assembly along three axes, thereby restricting movement of the projector assembly to a portion of a spherical path and enabling adjustment of an image generated by the projector assembly on a screen of a projection television to a desired geometry.

15 15. The mounting system according to claim 14, wherein the restricted movement of the light projector assembly to a portion of a spherical path enables geometry errors in the image generated thereby to be corrected to the desired geometry while maintaining the projector assembly's aim at a virtual center of the screen.

20 16. The mounting system according to claim 14, wherein the spherical wall includes a spherical surface.

17. The mounting system according to claim 14, wherein the spherical bracket includes a spherical surface.

18. The mounting system according to claim 14, wherein the spherical wall includes a spherical surface and the spherical bracket includes a spherical surface which slidably engages the spherical surface of the wall.

5 19. The mounting system according to claim 14, further comprising adjusting means for finely adjusting the position of the spherical bracket relative to the spherical wall.

20. The mounting system according to claim 19, wherein the adjusting means include eccentrics that coact with apertures and cam slots respectively formed in the spherical wall and bracket.

21. The mounting system according to claim 14, wherein the spherical wall is a member of a projection television cabinet of the projection television.

22. The mounting system according to claim 14, wherein the spherical bracket includes means for attaching the light projector assembly to the mounting system.